

Opti-Core® Fiber Optic Reference Cable Assembly Kits

- Reference and master grade cable assemblies pass all TIA/EIA-568-B.3 performance requirements
- 100% factory-inspected endface geometry in compliance with Telcordia GR-326-CORE, Issue 3
- Insertion loss per connection: 0.10dB maximum (multimode and singlemode)
- Return loss: 40dB minimum, PC polished (multimode); 58dB minimum, UPC polished (singlemode)
- Include 2-meter cable assemblies: standard grade to reference grade reference cable assemblies, and standard grade to reference grade master cable assemblies, zirconia ceramic adapters, and a set of mandrels (multimode kits)
- Master cable assemblies provide in-field qualification of reference cable assemblies for test use
- Available in multimode (10Gig™ OM3 and OM1) and singlemode (OS1/OS2) fiber types for link testing and diagnostic troubleshooting flexibility
- 10Gig™ 50/125µm (gray) or 62.5/125µm (black) mandrels are provided to allow mode conditioning and stripping for testing fiber to applicable standards requirements
- Factory terminated and 100% tested for insertion loss and return loss; data supplied with each reference and master cable assembly
- Provide superior measurement capability to maximize link reliability
- Controlled ferrule endface geometry is documented and supplied, assuring repeatable high performance physical contact of fiber connectors under test
- Hybrid reference cords available for use in testing permanent links with connectors that differ from test set connectors
- Reference quality connectors on both ends of cable assemblies allow both ends to be used to mate to the permanent link for loss measurements



FR2XS2-RSKIT

Part Number	Part Description	Std. Pkg. Qty.
10Gig™ OM3 Multimode Reference Cable Assembly Kits		
FR1XS1-R1KIT	Simplex LC-LC/SC-LC 10Gig™ 50/125µm multimode reference cable assembly kit, includes: 2 simplex std. grade LC to ref. grade LC reference cables (2m) 2 simplex std. grade SC to ref. grade LC reference cables (2m) 2 simplex std. grade LC to ref. grade LC master cables (2m) 2 LC duplex adapters (zirconia ceramic split sleeves) 2 mandrels (50/125µm)	1
FR2XSS-RSKIT	Duplex SC-SC 10Gig™ 50/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade SC to ref. grade SC reference cables (2m) 1 duplex std. grade SC to ref. grade SC master cable (2m) 2 SC duplex adapters (zirconia ceramic split sleeves) 2 mandrels (50/125µm)	1
FR2XS2-RSKIT	Duplex ST-SC 10Gig™ 50/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade ST to ref. grade SC reference cables (2m) 1 duplex std. grade ST to ref. grade SC master cable (2m) 2 SC duplex adapters (zirconia ceramic split sleeves) 2 mandrels (50/125µm)	1
FR2XSS-RLKIT	Duplex SC-LC 10Gig™ 50/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade SC to ref. grade LC reference cables (2m) 1 duplex std. grade SC to ref. grade LC master cable (2m) 2 LC duplex adapters (zirconia ceramic split sleeves) 2 mandrels (50/125µm)	1
FR1XS2-R2KIT	Simplex SC-ST/ST-ST 10Gig™ 50/125µm multimode reference cable assembly kit, includes: 2 simplex std. grade SC to ref. grade ST reference cables (2m) 2 simplex std. grade ST to ref. grade ST reference cables (2m) 2 simplex std. grade ST to ref. grade ST master cables (2m) 4 ST simplex adapters (zirconia ceramic split sleeves) 2 mandrels (50/125µm)	1
FR2XS2-R2KIT	Duplex ST-ST 10Gig™ 50/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade ST to ref. grade ST reference cables (2m) 2 duplex std. grade ST to ref. grade ST master cables (2m) 4 ST simplex adapters (zirconia ceramic split sleeves) 2 mandrels (50/125µm)	1

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Opti-Core® Fiber Optic Reference Cable Assembly Kits (continued)

Part Number	Part Description	Std. Pkg. Qty.
FR2XS2-RLKIT	Duplex ST-LC 10Gig™ 50/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade ST to ref. grade LC reference cables (2m) 2 duplex std. grade ST to ref. grade LC master cables (2m) 2 LC duplex adapters (zirconia ceramic split sleeves) 2 mandrels (50/125µm)	1
FR2XSS-R2KIT	Duplex SC-ST 10Gig™ 50/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade SC to ref. grade ST reference cables (2m) 2 duplex std. grade SC to ref. grade ST master cables (2m) 4 ST simplex adapters (zirconia ceramic split sleeves) 2 mandrels (50/125µm)	1

OM1 Multimode Reference Cable Assembly Kits

FR16S1-R1KIT	Simplex LC-LC/SC-LC 62.5/125µm multimode reference cable assembly kit, includes: 2 simplex std. grade LC to ref. grade LC reference cables (2m) 2 simplex std. grade SC to ref. grade LC reference cables (2m) 2 simplex std. grade LC to ref. grade LC master cables (2m) 2 LC duplex adapters (zirconia ceramic split sleeves) 2 mandrels (62.5/125µm)	1
FR26SS-RSKIT	Duplex SC-SC 62.5/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade SC to ref. grade SC reference cables (2m) 1 duplex std. grade SC to ref. grade SC master cable (2m) 2 SC duplex adapters (zirconia ceramic split sleeves) 2 mandrels (62.5/125µm)	1
FR26S2-RSKIT	Duplex ST-SC 62.5/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade ST to ref. grade SC reference cables (2m) 1 duplex std. grade ST to ref. grade SC master cable (2m) 2 SC duplex adapters (zirconia ceramic split sleeves) 2 mandrels (62.5/125µm)	1
FR26SS-RLKIT	Duplex SC-LC 62.5/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade SC to ref. grade LC reference cables (2m) 1 duplex std. grade SC to ref. grade LC master cable (2m) 2 LC duplex adapters (zirconia ceramic split sleeves) 2 mandrels (62.5/125µm)	1
FR16S2-R2KIT	Simplex SC-ST/ST-ST 62.5/125µm multimode reference cable assembly kit, includes: 2 simplex std. grade SC to ref. grade ST reference cables (2m) 2 simplex std. grade ST to ref. grade ST reference cables (2m) 2 simplex std. grade ST to ref. grade ST master cables (2m) 4 ST simplex adapters (zirconia ceramic split sleeves) 2 mandrels (62.5/125µm)	1
FR26S2-R2KIT	Duplex ST-ST 62.5/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade ST to ref. grade ST reference cables (2m) 2 duplex std. grade ST to ref. grade ST master cables (2m) 4 ST simplex adapters (zirconia ceramic split sleeves) 2 mandrels (62.5/125µm)	1
FR26S2-RLKIT	Duplex ST-LC 62.5/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade ST to ref. grade LC reference cables (2m) 2 duplex std. grade ST to ref. grade LC master cables (2m) 2 LC duplex adapters (zirconia ceramic split sleeves) 2 mandrels (62.5/125µm)	1
FR26SS-R2KIT	Duplex SC-ST 62.5/125µm multimode reference cable assembly kit, includes: 2 duplex std. grade SC to ref. grade ST reference cables (2m) 2 duplex std. grade SC to ref. grade ST master cables (2m) 4 ST simplex adapters (zirconia ceramic split sleeves) 2 mandrels (62.5/125µm)	1

Opti-Core® Fiber Optic Reference Cable Assembly Kits (continued)

Part Number	Part Description	Std. Pkg. Qty.
OS1/OS2 Singlemode Reference Cable Assembly Kits		
FR19S1-R1KIT	Simplex LC-LC/SC-LC 9µm singlemode reference cable assembly kit, includes: 2 simplex std. grade LC to ref. grade LC reference cables (2) 2 simplex std. grade SC to ref. grade LC reference cables (2) 2 simplex std. grade LC to ref. grade LC master cables (2) 2 LC duplex adapters (zirconia ceramic split sleeves)	1
FR29SS-RSKIT	Duplex SC-SC 9µm singlemode reference cable assembly kit, includes: 2 duplex std. grade SC to ref. grade SC reference cables (2m) 1 duplex std. grade SC to ref. grade SC master cable (2m) 2 SC duplex adapters (zirconia ceramic split sleeves)	1
FR29S2-RSKIT	Duplex ST-SC 9µm singlemode reference cable assembly kit, includes: 2 duplex std. grade ST to ref. grade SC reference cables (2m) 1 duplex std. grade ST to ref. grade SC master cable (2m) 2 SC duplex adapters (zirconia ceramic split sleeves)	1
FR29SS-RLKIT	Duplex SC-LC 9µm singlemode reference cable assembly kit, includes: 2 duplex std. grade SC to ref. grade LC reference cables (2m) 1 duplex std. grade SC to ref. grade LC master cable (2m) 2 LC duplex adapters (zirconia ceramic split sleeves)	1
FR19S2-R2KIT	Simplex SC-ST/ST-ST 9µm singlemode reference cable assembly kit, includes: 2 simplex std. grade SC to ref. grade ST reference cables (2m) 2 simplex std. grade ST to ref. grade ST reference cables (2m) 2 simplex std. grade ST to ref. grade ST master cables (2m) 4 ST simplex adapters (zirconia ceramic split sleeves)	1
FR29S2-R2KIT	Duplex ST-ST 9µm singlemode reference cable assembly kit, includes: 2 duplex std. grade ST to ref. grade ST reference cables (2m) 2 duplex std. grade ST to ref. grade ST master cables (2m) 4 ST simplex adapters (zirconia ceramic split sleeves)	1
FR29S2-RLKIT	Duplex ST-LC 9µm singlemode reference cable assembly kit, includes: 2 duplex std. grade ST to ref. grade LC reference cables (2m) 2 duplex std. grade ST to ref. grade LC master cables (2m) 2 LC duplex adapters (zirconia ceramic split sleeves)	1
FR29SS-R2KIT	Duplex SC-ST 9µm singlemode reference cable assembly kit, includes: 2 duplex std. grade SC to ref. grade ST reference cables (2m) 2 duplex std. grade SC to ref. grade ST master cables (2m) 4 ST simplex adapters (zirconia ceramic split sleeves)	1

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